INSPIRON 14z

Specifications

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Regulatory Model: P35G | Type: P35G001

Computer Model: Inspiron 5423

Dimensions

Height	21 mm (0.83 inches)
Width	347 mm (13.67 inches)
Depth	240 mm (9.45 inches)
Weight with 6-cell battery and optical drive (starting at)	1.92 kg (4.23 lb) **NOTE:** The weight of your laptop will vary depending on the configuration ordered and the manufacturing variability.

System information

Computer model	Inspiron 5423
Processor	• Intel Core i3 ULV (2nd generation) • Intel Core i5 ULV (3rd generation) • Intel Core i7 ULV (3rd generation)
L1 cache	32 KB
L2 cache	256 KB
L3 Cache	up to 4 MB
System chipset	Intel PCH HM77

Memory

Connectors	two internally-accessible DDR3 connectors
Capacities	2 GB, 4 GB, 6 GB, and 8 GB
Memory type	up to 1600 MHz, dual-channel DDR3 configuration
Memory configurations supported	2 GB, 4 GB, 6 GB, and 8 GB

Communications

Network adapter	10/100 Mbps Ethernet LAN on Motherboard (LOM)
Wireless	• Wi-fi 802.11 a/b/g/n • WWAN • WiMAX • Bluetooth 4.0 • Wireless Display

Ports and connectors

Network adapter	one RJ45 port
USB	• one 9-pin USB 3.0 port • one 9-pin USB 3.0 port with PowerShare
HDMI port	one 19-pin port
Audio	one headphones/microphone combo port
Mini-Card	one half-height mini-card slot
SIM card slot (optional)	one

Audio

Controller	IDT 92HD94
Speaker	2 x 2 W
Internal microphone support	digital-array microphones in the camera assembly
Volume controls	program menus and keyboard media control keys

Video

Video controller	
Integrated	Intel HD graphics 3000/4000
Discrete	AMD Radeon HD 7570M
Video memory	
Discrete	1 GB GDDR5
External display support	• VGA • HDMI 1.4 • Wireless Display

Storage

Interface	• SATA 2.0 (3 Gb/s) or SATA 3.0 (6 Gb/s) Solid-State Drive (SSD/HDD) • mSATA
Hard drives	one 2.5-inch SATA 2.0 solid-state drive **NOTE:** Support for Intel Smart Response Technology
Optical drives	one 9.5 mm SATA drive

Battery

Type	6-cell "smart" lithium ion (44 Whr)
Height/Width/Depth	12.50 mm (0.49 inches)/66.00 mm (2.60 inches)/ 291.70 mm (11.49 inches)
Weight	0.30 kg (0.70 lb)
Voltage	14.8 VDC
Operating time	battery operating time varies depending on operating conditions and can be significantly reduced under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (– 40 °F to 149 °F)
Coin-cell battery	CR-2032

Power adapter port

Type	65 W/90 W
Input voltage	100–240 VAC
Input current (maximum)	1.70 A/1.50 A
Input frequency	50 Hz–60 Hz
Output current	3.34 A/6.42 A
Output power	65 W/90 W
Rated output voltage	19.50 +/- 1 VDC
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	–40 °C to 70 °C (–40 °F to 158 °F)

Media-card reader

Type	one 3-in-1 slot
Cards supported	• Secure Digital (SD) memory card • Secure Digital Input/Output (SDIO) card • Secure Digital Extended Capacity (SDXC) card

Keyboard

Number of keys	• Korea, U.S., and Canada – 80 • United Kingdom and Brazil – 81 • Japan – 84

Touchpad

X/Y position resolution (graphics table mode)	1052 dpi/1609 dpi
Size	
Height	48.00 mm (1.90 inches) sensor-active area
Width	96.55 mm (3.81 inches) rectangle

Display

Type	14-inch HD TrueLife
Maximum resolution	1366 x 768 HD
Dimensions:	
Height	205.60 mm (8.09 inches)
Width	320.90 mm (12.64 inches)
Diagonal	355.60 mm (14.00 inches)
Refresh rate	60 Hz
Operating angle	0° (closed) to 140°
Pixel pitch	0.2265 mm x 0.2265 mm
Controls	brightness can be controlled through keyboard shortcuts

Camera

Camera resolution	1280 x 720 pixels ~0.92 Mpixels
Video resolution	1280 x 720 pixels at 30 fps (maximum)
Diagonal viewing angle	72 degrees

Computer environment

Temperature range:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum):	
Operating	10% to 90% (non-condensing)
Storage	10% to 95% (non-condensing)
Maximum vibration (using a random vibration spectrum that simulates user environment):	
Operating	0.66 GRMS
Storage	1.3 GRMS
Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage):	
Operating	110 G
Storage	160 G
Altitude (maximum):	
Operating	–15.2 m to 3048 m (–50 ft to 10,000 ft)
Storage	–15.2 m to 10,668 m (–50 ft to 35,000 ft)
Airborne contaminant level	G1 as defined by ISA-S71.04-1985